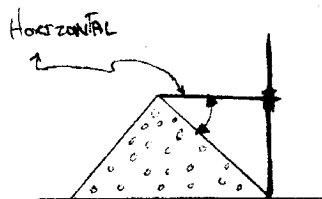


Stability and the **ANGLE OF REPOSE**

Name _____



THIS ACTIVITY IS TO HELP YOU UNDERSTAND HOW DIFFERENT ROCK SHAPES AND TEXTURES AFFECT THE TYPE OF LANDFORMS YOU STUDY. THE PICTURE ON THE LEFT SHOWS WHICH ANGLE TO MEASURE. MAKE SURE THE TOP LINE IS FLAT AS POSSIBLE. THE ANGLE OF REPOSE IS MEASURED FROM HORIZONTAL.

Use a protractor to give an estimate of the pile's angle after removing the can. Circle what you put in to the stuff. Write in the box provided what you did to the stuff before removing the can. Describe what you did after removing the can (shook the table, nothing) and draw a sketch of what the pile looks like. Give a reason why the pile has kept its shape or why the angle is steep or flat.

STUFF	wet /dry /compact	ANGLE	DESCRIPTION
Sand			
Gravel			
Pebbles			
MARBLES			
_____ and other paper, sticks, sand			
_____ and other paper, sticks, sand			